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*FEE*  
*Rams*  
*Southern*

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AUG 18 1982

ILL. E.P.A. - D.L.P.C.  
STATE OF ILLINOIS

August 9, 1982

Thomas E. Cavanagh, Jr., Manager  
Illinois Environmental Protection Agency  
Division of Land Pollution Control  
Permit Section  
2200 Churchill Road  
Springfield, Illinois 62706

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AUG 10 1982

re: ~~St. Clair County, Illinois~~  
~~East St. Louis/SCA-Milam Landfill~~  
"Phase II Re-certification"

US EPA RECORDS CENTER REGION 5

STATE OF ILLINOIS



412259

Dear Mr. Cavanagh:

On October 9, 1981 this office forwarded a certification letter to the Agency in regard to the clay liner in the north portion of Phase II, hereafter referred to as Phase IIB, of the subject site. On April 5, 1982 the Southern Region Field Operations office indicated this certification was invalidated since the clay liner had been disturbed by the construction of a temporary surface water diversion berm. In addition, this correspondence indicated that recertification of the clay liner in Phase IIB would be necessary.

The required recertification efforts for Phase IIB have been completed. We are herein certifying that disturbed areas in Phase IIB have been repaired to provide a minimum 10 feet of compacted and insitu clay. A copy of the site map submitted with the previous certification is attached in which the limits of existing fill in Phase IIB and areas where the clay liner was disturbed (Ditches 1 and 2) have been identified. Ditch 1 and the portion of Ditch 2 upstream (east) of the junction with Ditch 1 have been completely filled with compacted clay, such that a minimum 10 feet of clay has been restored to these areas. In addition, Ditch 1, which is located adjacent to the north limits of fill in Phase IIB, was probed in four locations to confirm the integrity of the recomacted clay. These probe holes were subsequently filled with compacted clay. The west portion of Ditch 2 meets the 10 foot minimum clay requirement, given the existing ditch bottom. Accordingly, this portion of Ditch 2 will be maintained in its present form to facilitate surface water control in Phase IIB.

The use of temporary surface water diversion berms and drainage in Phase IIB have been discussed during recent meetings involving SCA and the Southern Region Field Operations office. SCA agreed that any standing water in Phase IIB which does not freely drain to the west portion of Ditch 2 will be removed prior to any filling activities in those poorly drained areas. Surface runoff entering Ditch 2 will continue to be removed, when necessary, by the engine driven pump situated at the west limits of Ditch 2. Filling will not occur in standing water.

*Perry?*  
*?*  
*KM*  
*PCM*  
*PMM*

August 9, 1982

Thomas E. Cavanagh, Jr., Manager  
Permit Section  
I.E.P.A. -- D.L.P.C.

re: SCA-Milam Landfill  
"Phase II Re-certification"

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If necessary, temporary drainage diversion berms will be constructed to aid in surface water management. These berms will be constructed directly upon the certified clay liner using off-site cover material. The certified clay liner will not be disturbed. It is our opinion that the use of such berms in the manner designated constitutes good operations practice and does not require prior Supplemental Permit.

Implementation of the above practice, in combination with the intended placement of the first lift of refuse in Phase IIB only during dry weather, will minimize surface drainage related operational problems. On this basis, and given the recertification of the clay liner provided herein, Phase IIB is now ready to accept waste.

Should you have any questions or comments in regard to this certification, please do not hesitate to contact the undersigned at your convenience.

Sincerely,

*Roger J. Breitenfield*

Roger J. Breitenfield, P.E.,  
Project Manager

RJB/rdk:

cc: Richard Volonino  
Charles Emde  
Glenn O'Bryan  
Kenneth Mensing  
w/enclosure